

Title (en)
BATTERY

Title (de)
BATTERIE

Title (fr)
BATTERIE

Publication
EP 3806186 A4 20220615 (EN)

Application
EP 19812449 A 20190528

Priority
• JP 2018101808 A 20180528
• JP 2019021167 W 20190528

Abstract (en)
[origin: EP3806186A1] A battery includes a battery element, a housing body, and a valve device. The housing body is constituted by at least one laminate including at least a base material layer, a barrier layer, and a heat-sealable resin layer layered in that order and houses the battery element. The valve device is in communication with the inside of the housing body. A joined edge portion in which the mutually facing heat-sealable resin layers are fused together is formed in a peripheral edge portion of the housing body. The valve device includes a first portion and a second portion. A valve mechanism configured to reduce the internal pressure of the housing body if the internal pressure is increased due to gas generated in the housing body is formed in the first portion. An air passage configured to guide gas generated in the housing body toward the valve mechanism is formed in the second portion. The first portion is located on an outer side of an edge of the joined edge portion. At least a portion of the second portion is sandwiched between the heat-sealable resin layers in the joined edge portion.

IPC 8 full level
H01M 10/04 (2006.01); **H01G 2/10** (2006.01); **H01G 11/20** (2013.01); **H01G 11/80** (2013.01); **H01M 50/105** (2021.01); **H01M 50/119** (2021.01); **H01M 50/121** (2021.01); **H01M 50/129** (2021.01); **H01G 11/14** (2013.01); **H01G 11/78** (2013.01)

CPC (source: EP KR US)
H01G 2/103 (2013.01 - EP); **H01G 11/18** (2013.01 - KR); **H01G 11/20** (2013.01 - EP); **H01G 11/78** (2013.01 - KR); **H01G 11/80** (2013.01 - EP); **H01M 10/049** (2013.01 - EP); **H01M 50/105** (2021.01 - EP KR US); **H01M 50/119** (2021.01 - EP); **H01M 50/121** (2021.01 - EP); **H01M 50/124** (2021.01 - US); **H01M 50/126** (2021.01 - KR); **H01M 50/129** (2021.01 - EP); **H01M 50/325** (2021.01 - US); **H01M 50/333** (2021.01 - KR); **H01M 50/394** (2021.01 - KR); **H01G 11/14** (2013.01 - EP); **H01G 11/78** (2013.01 - EP); **H01M 10/0525** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
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• [A] JP 2016195113 A 20161117 - DAINIPPON PRINTING CO LTD
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• See also references of WO 2019230742A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3806186 A1 20210414; **EP 3806186 A4 20220615**; CN 112236897 A 20210115; CN 112236897 B 20230324; JP 2019207779 A 20191205; JP 7040293 B2 20220323; KR 20210014635 A 20210209; US 11949120 B2 20240402; US 2021257699 A1 20210819; US 2024204337 A1 20240620; WO 2019230742 A1 20191205

DOCDB simple family (application)
EP 19812449 A 20190528; CN 201980035658 A 20190528; JP 2018101808 A 20180528; JP 2019021167 W 20190528; KR 20207033928 A 20190528; US 201917059903 A 20190528; US 202418590074 A 20240228